

Attachment 1 Summary of Cases with Flame Retardant Uses (Third Set of Case Files)

CASE #	Submitter name claimed CBI?	Submitter	Chemical ID claimed CBI?	Chemical Name	CASRN	Generic Non-CBI Chemical Name	Prod. Volume claimed CBI?	Max Prod Volume during first three years of manufacture (kg/yr)	Use(s) claimed CBI?	Use(s)	Generic Non-CBI use	Regulatory Status
L-08-0393	Yes	Claimed CBI	Yes	Claimed CBI	Claimed CBI	10-(2,5-Dihydroxyphenyl)-10-H-9-oxa-10-phosphaphenanthrene-10-oxide	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant component in electronics manufacture	Grant
L-09-0044	Yes	Claimed CBI	Yes	Claimed CBI	Claimed CBI	Triazatriphosphrine	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant	Grant
L-09-0045	Yes	Claimed CBI	Yes	Claimed CBI	Claimed CBI	Triazatriphosphrine	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant	Grant
L-09-0046	Yes	Claimed CBI	Yes	Claimed CBI	Claimed CBI	Triazatriphosphrine	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant	Withdrawn by submitter
L-10-0078	Yes	Claimed CBI	Yes	Claimed CBI	Claimed CBI	Heterocyclic salt	Yes	Claimed CBI	No	Flame retardant for use in adhesives and coatings.	Flame retardant for use in adhesives and coatings.	Grant
L-11-0347	No	Songwon International - Americas, Inc.	No	Phosphoric trichloride, reaction products with [1,1'-biphenyl]-4,4'-diol and phenol	1095608-65-3		No	10000	No	Flame retardant for polycarbonate (PC) and polycarbonate/acrylonitrile/butadiene/styrene (PCABS) plastics.	Flame retardant for polycarbonate (PC) and polycarbonate/acrylonitrile/butadiene/styrene (PCABS) plastics.	Denied
P-09-0553	Yes	Claimed CBI	Yes	Claimed CBI	Claimed CBI	Metal Phosphinate	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant polymer additive	Consent Order Development
P-10-0111	No	The Dow Chemical Company	Yes	Claimed CBI	Claimed CBI	Benzene dicarboxylic acid, polyester with glycols and polyethylene glycol	Yes	Claimed CBI	No	Polyester component in rigid polyurethane foam for construction panels, appliances, and spray applications. The PMN material is a key component for improving thermal insulation and flame retardance in polyurethane rigid foams. Consolidated set P-10-0111 to P-10-0112 (P-10-0113-114 are NV).	Component in rigid polyurethane foam for construction panels, appliances, and spray applications. The PMN substance is a key component for improving thermal insulation and flame retardance in polyurethane rigid foams.	FOCUS drop

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P-10-0112	No	The Dow Chemical Company	Yes	Claimed CBI	Claimed CBI	Benzene dicarboxylic acid, polyester with glycols and polyethylene glycol	Yes	Claimed CBI	No	Polyester component in rigid polyurethane foam for construction panels, appliances, and spray applications. The PMN material is a key component for improving thermal insulation and flame retardance in polyurethane rigid foams. Consolidated set P-10-0111 to P-10-0112 (P-10-0113-114 are NV).	Component in rigid polyurethane foam for construction panels, appliances, and spray applications. The PMN substance is a key component for improving thermal insulation and flame retardance in polyurethane rigid foams.	FOCUS drop
P-10-0504	No	ICL-IP America, Inc.	Yes	Claimed CBI	Claimed CBI	Phosphoric acid, metal salt	Yes	Claimed CBI	Yes	Claimed CBI	Halogen-free flame retardant used on textiles and in composite coatings	Pending a non-5(e) SNUR
P-11-0049	No	Thor Specialties, Inc.	Yes	Claimed CBI	Claimed CBI	Alkyl phosphonic acid amine salt	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant for incorporation into polymer resins (open non-dispersive use)	(Regulated) 5E Consent Order signed with Triggered Testing on 11/16/2011; pending 5(e) SNUR
P-11-0050	No	Thor Specialties, Inc.	Yes	Claimed CBI	Claimed CBI	Alkyl phosphonic acid amine salt	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant for incorporation into polymer resins (open non-dispersive use)	(Regulated) 5E Consent Order signed with Triggered Testing on 11/16/2011; pending 5(e) SNUR
P-13-0024	No	ICL-IP America, Inc.	Yes	Claimed CBI	Claimed CBI	Phosphate ester	Yes	Claimed CBI	Yes	Claimed CBI	Flame retardant for flexible polyurethane foam applications	PMN withdrawn by submitter
P-13-0690	No	JJI Technologies, LLC	Yes	Claimed CBI	Claimed CBI	Aluminum phosphate	Yes	Claimed CBI	No	Flame retardant for plastics, mainly polyamides and polyesters used in electrical and electronic parts.	Flame retardant for industrial plastics	Pending non-5(e) SNUR.